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formal drawings
K. Goyes
1/11/01

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Muhammed A. Hawwa
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FILING DATE: June 19, 2001
TITLE: Piezoelectric Actuated Optical Switch
EXAMINER: Unknown
GROUP ART UNIT: Unknown
ATTY.DKT.NO.: PA1901US

TC 2800 MAIL ROOM

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Dated: 8/28/01

Robert D. Hayden
Robert D. Hayden

COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

LETTER TO THE CHIEF DRAFTSPERSON

SIR:

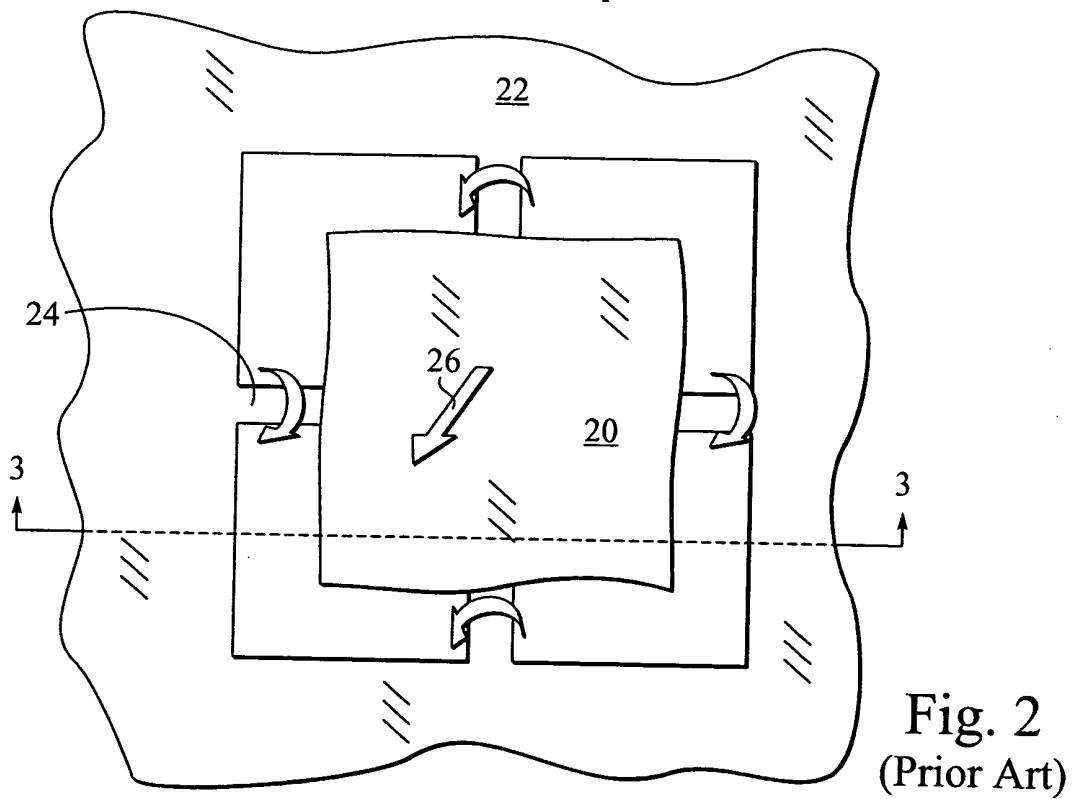
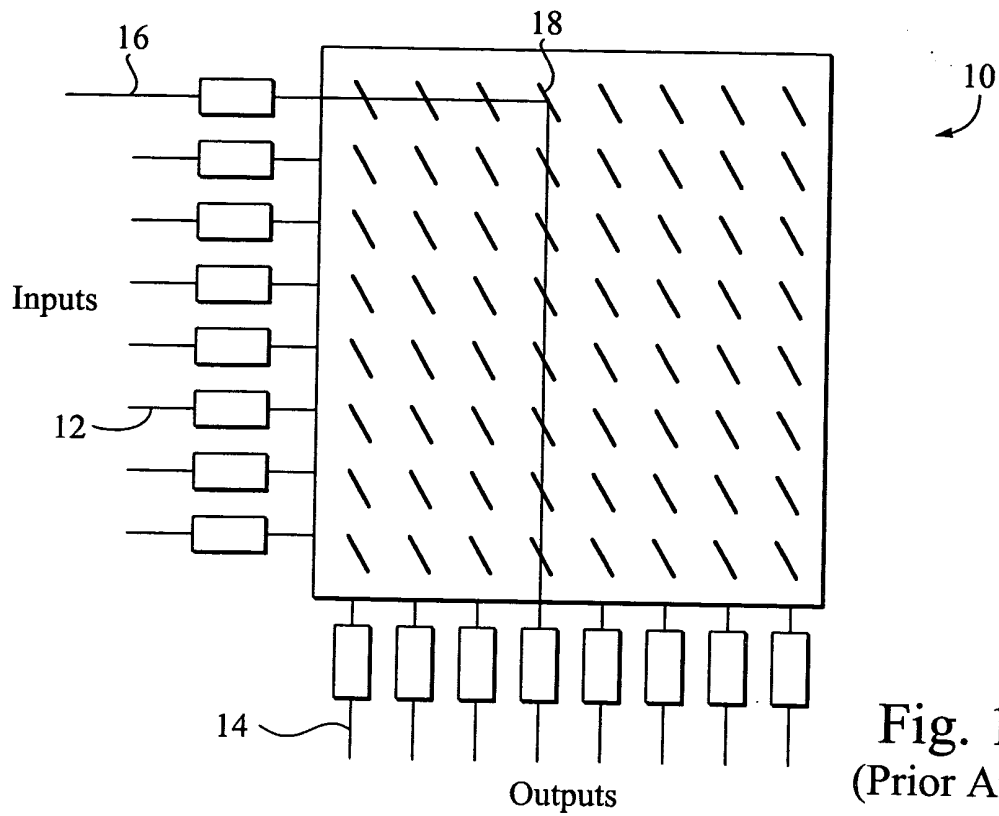
Subject to the approval of the Primary Examiner in the above-entitled patent application, please substitute the enclosed seven (7) sheets of formal drawings containing Figures 1 through 19 for the seven (7) sheets of informal drawings containing Figures 1 through 19.

Respectfully submitted,

Muhammed A. Hawwa

Dated: 8/28/2001

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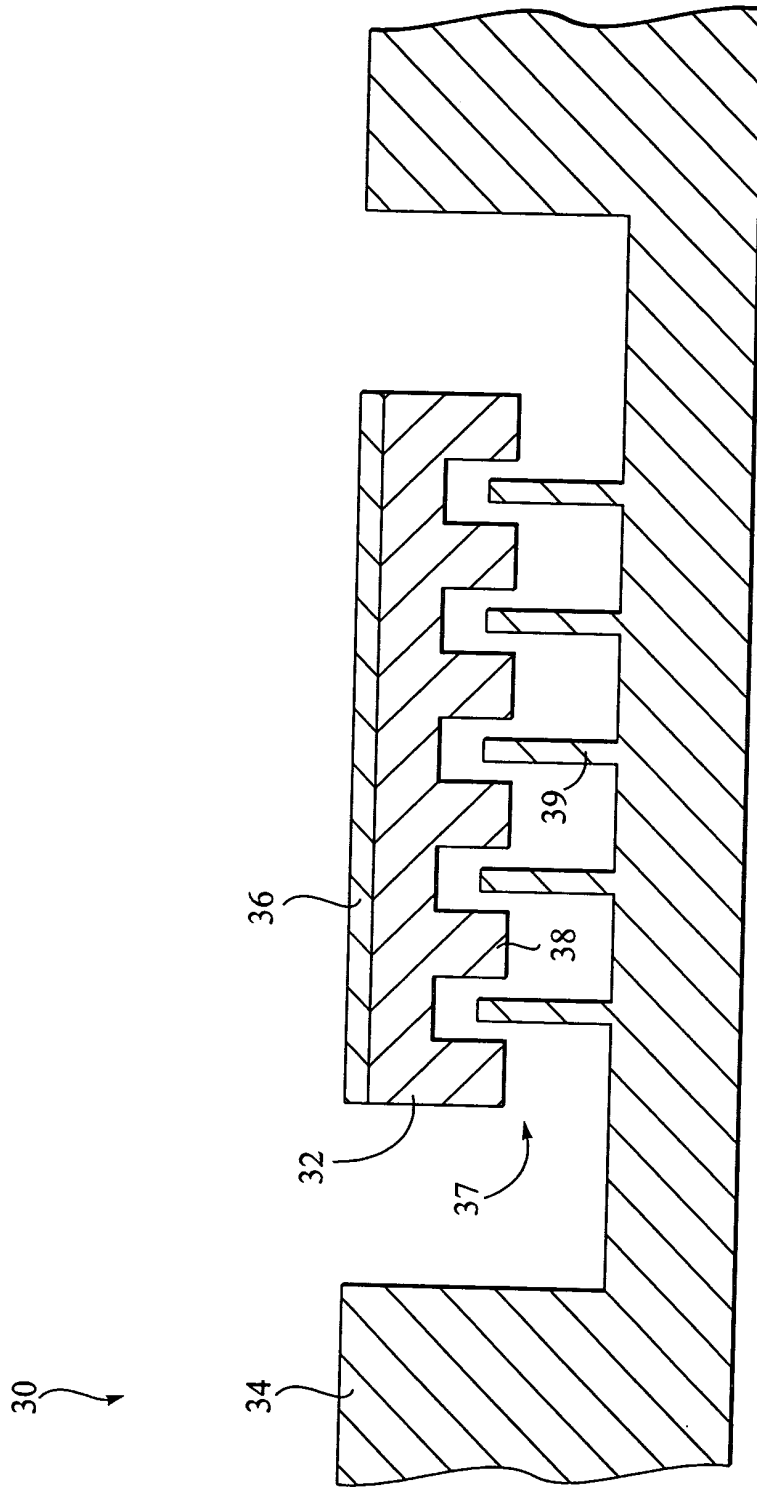


Fig. 3
(Prior Art)

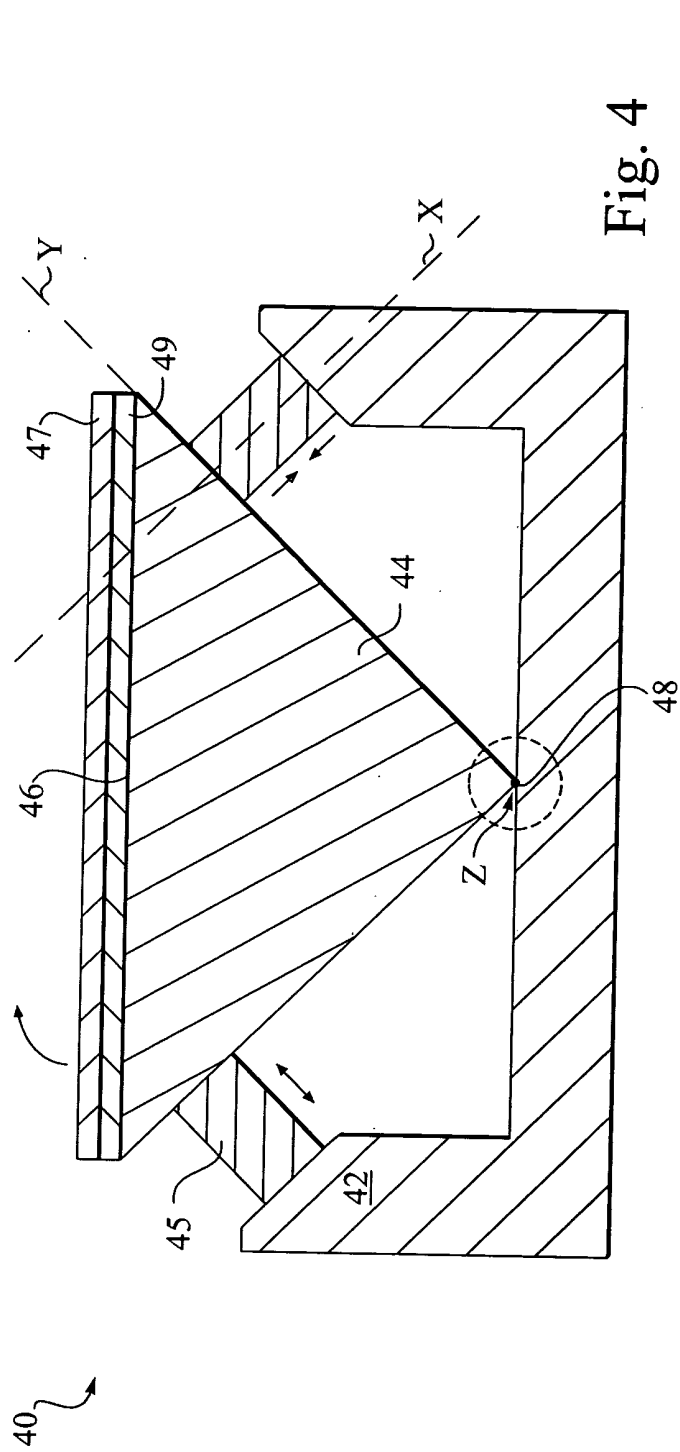


Fig. 4

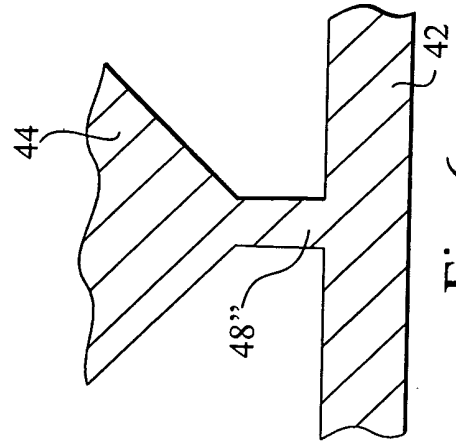


Fig. 5

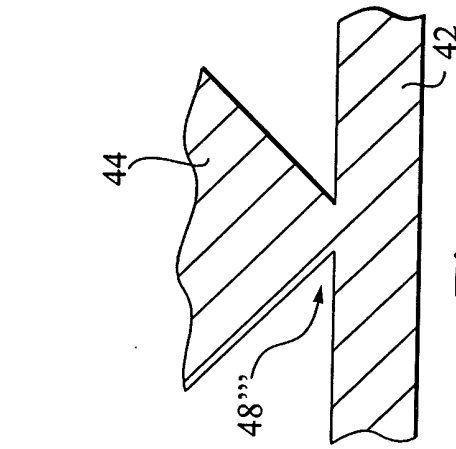


Fig. 6

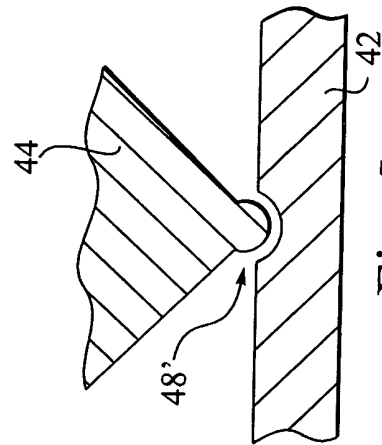


Fig. 7

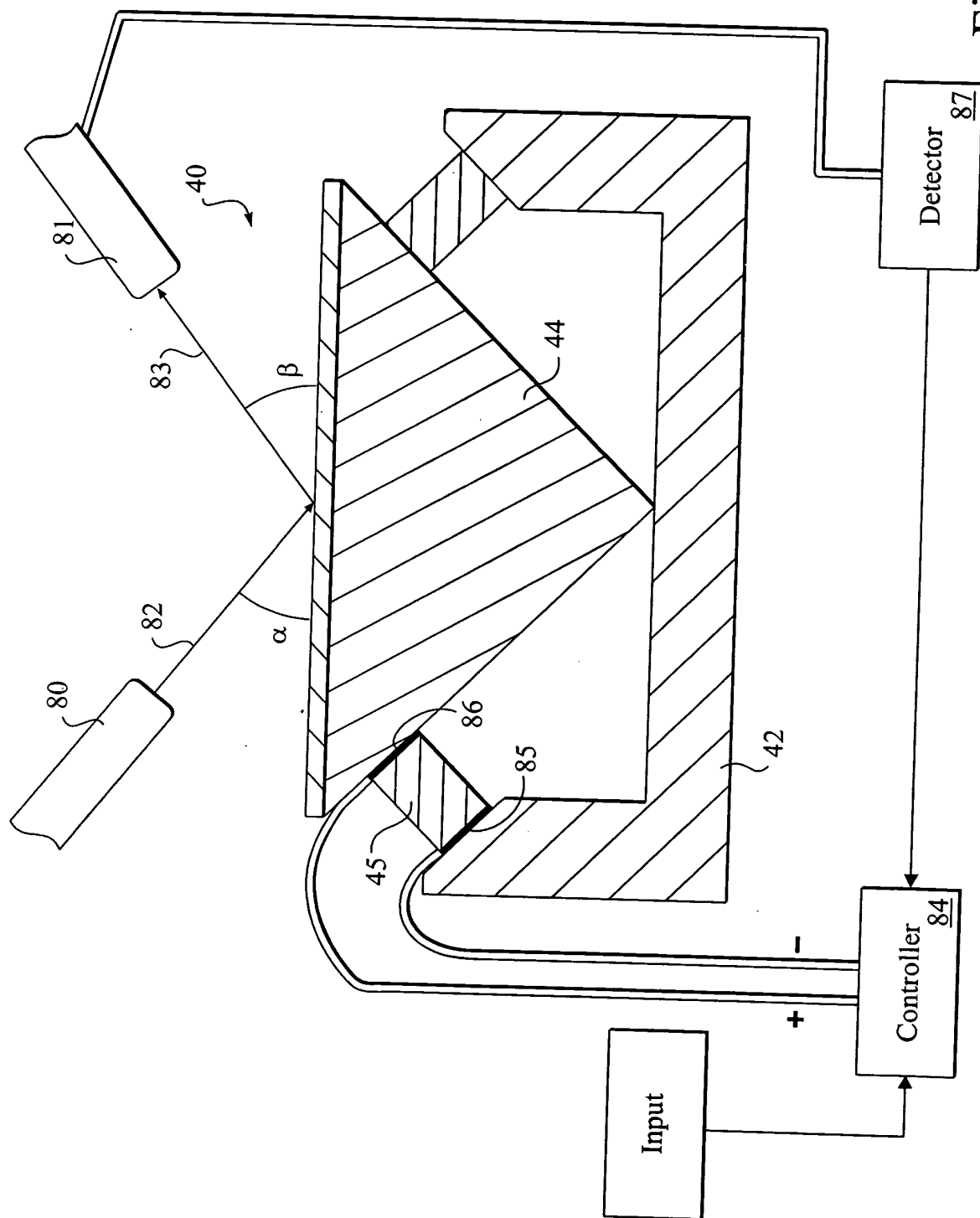


Fig. 8

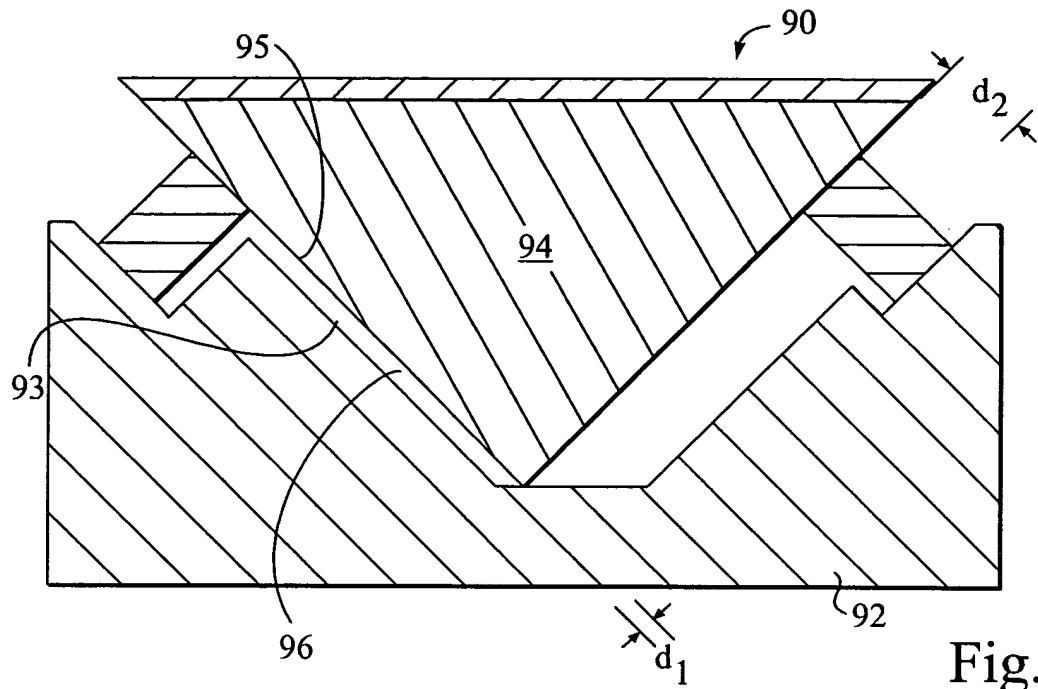


Fig. 9

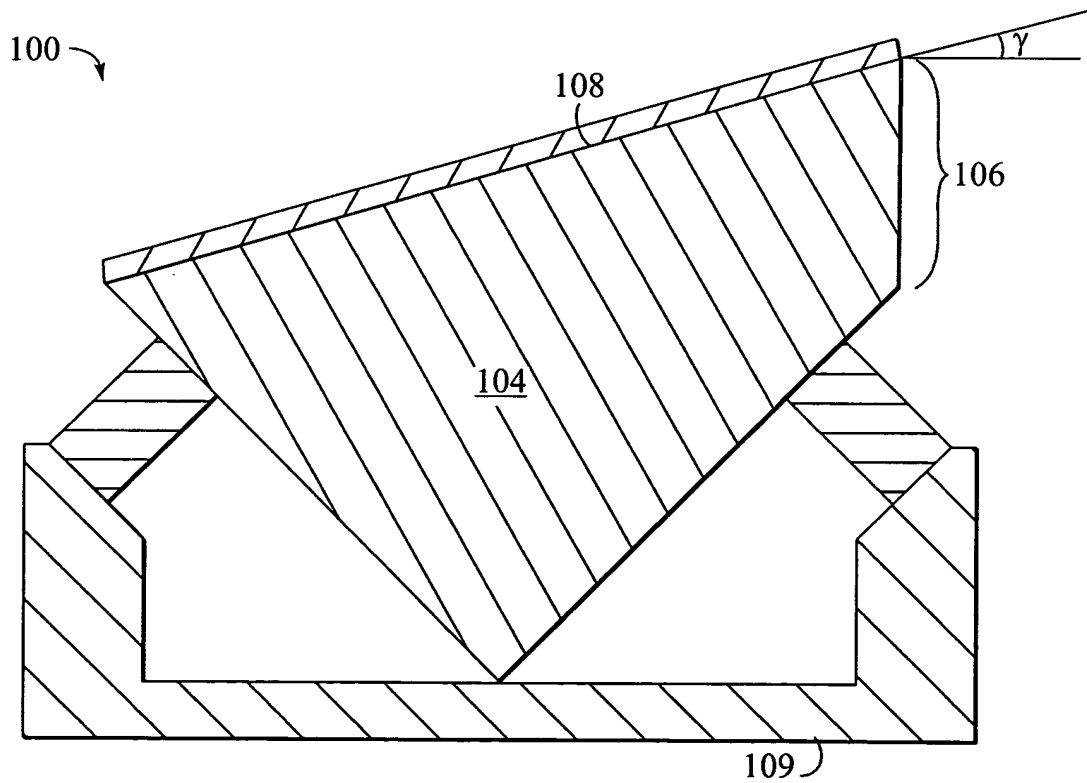


Fig. 10

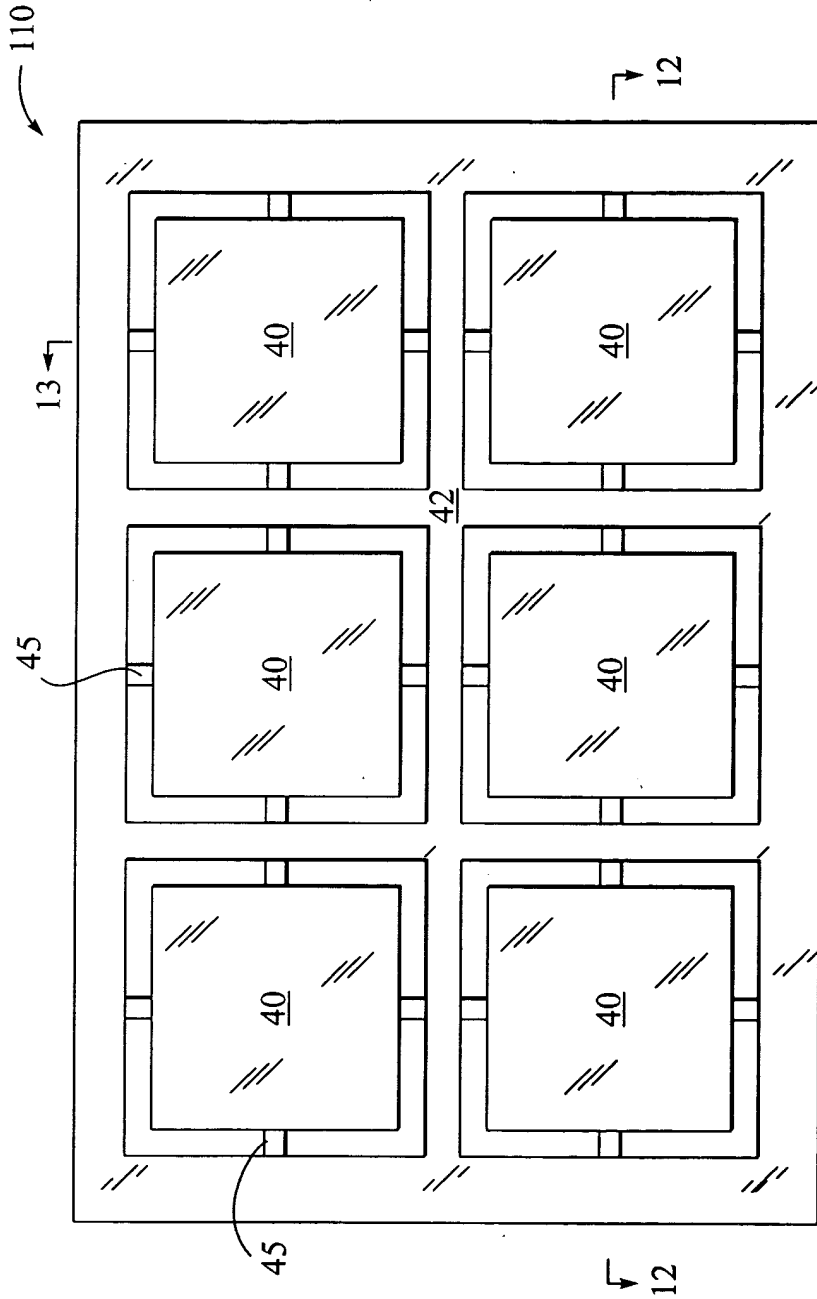


Fig. 11

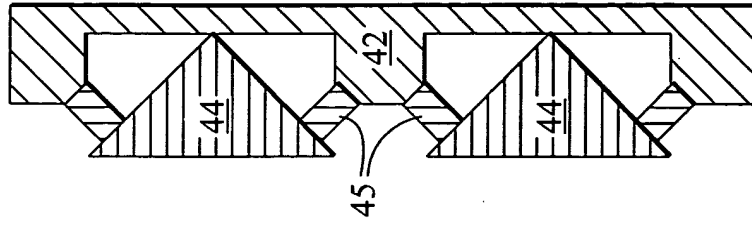


Fig. 13

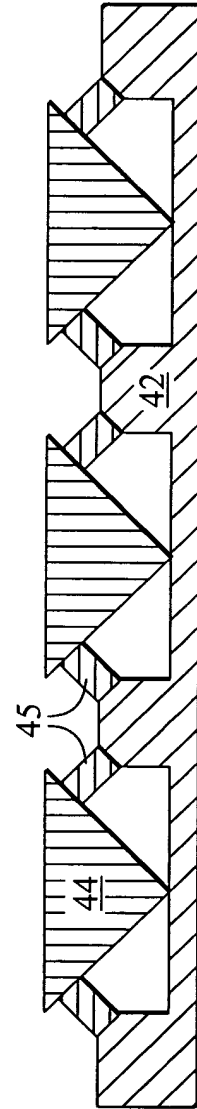


Fig. 12

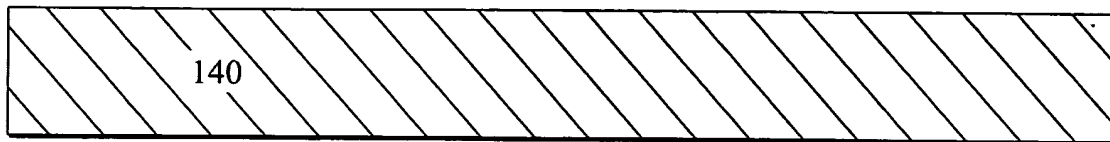


Fig. 14

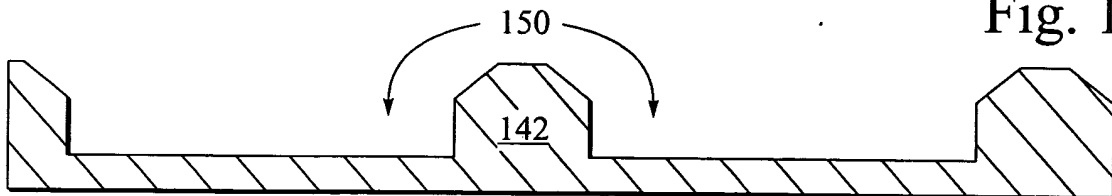


Fig. 15

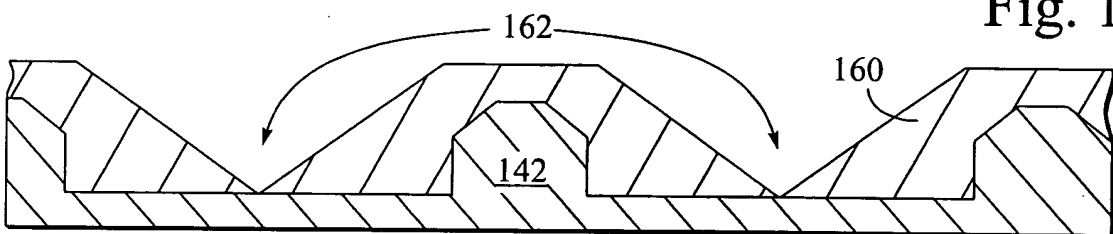


Fig. 16

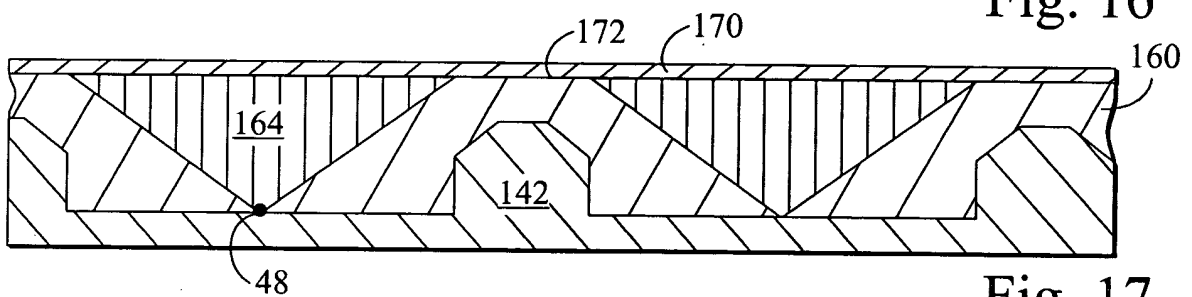


Fig. 17

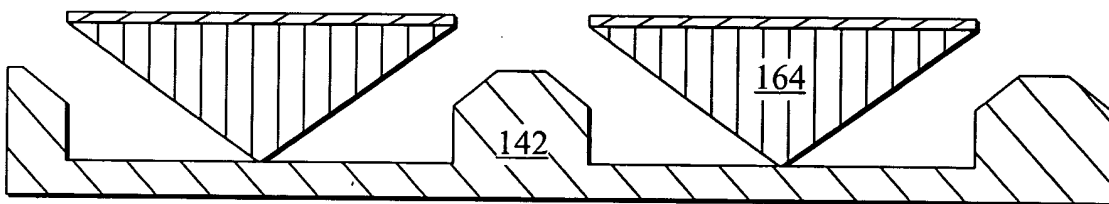


Fig. 18

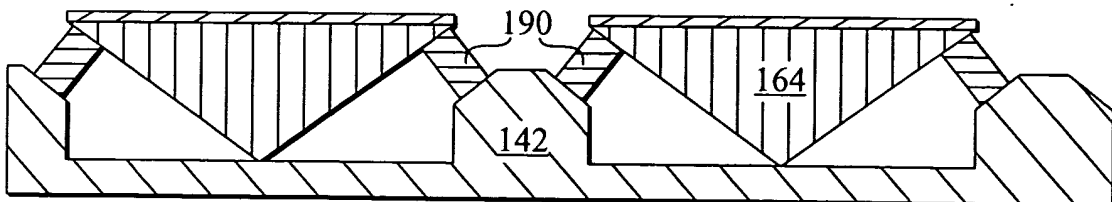


Fig. 19